

Title (en)

CONTROL DEVICE FOR COOKING APPLIANCES AND COOKING APPLIANCE EQUIPPED WITH SAID DEVICE

Title (de)

STEUERVORRICHTUNG FÜR GARGERÄTE UND DAMIT AUSGESTATTETES GARGERÄT

Title (fr)

DISPOSITIF DE REGULATION POUR APPAREIL DE CUISINE ET APPAREIL DE CUISINE EQUIPE DUDIT DISPOSITIF

Publication

EP 1931174 A2 20080611 (EN)

Application

EP 06764372 A 20060601

Priority

- ES 2006000320 W 20060601
- ES 200502343 A 20050928

Abstract (en)

The invention relates to a control device for cooking appliances and to a cooking appliance which is equipped with said device. The inventive device comprises: an infrared temperature sensor which is positioned above the cooking station and which can sense infrared radiation originating from the area above the cooking station, which, when in use, corresponds to the inner area of a frying implement located on the work station; a control unit which receives the signal from the temperature sensor and which compares same with a set temperature value; and an automatic system for controlling the heating power transmitted through the cooking station. The aforementioned control unit is equipped with means for generating orders for the automatic system that is used to control the transmitted heating power, which ensure that any contents located in the area above the cooking station do not exceed the set temperature value.

IPC 8 full level

H05B 1/02 (2006.01); **G05D 23/27** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

G05D 23/27 (2013.01); **H05B 1/0266** (2013.01); **H05B 3/746** (2013.01); **H05B 2213/07** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR

DOCDB simple family (publication)

EP 1931174 A2 20080611; **EP 1931174 A4 20100303**; **EP 1931174 B1 20120118**; AT E542391 T1 20120215; CN 101171883 A 20080430; ES 2250014 A1 20060401; ES 2250014 B1 20061116; WO 2007036582 A2 20070405; WO 2007036582 A3 20071018

DOCDB simple family (application)

EP 06764372 A 20060601; AT 06764372 T 20060601; CN 200680015552 A 20060601; ES 200502343 A 20050928; ES 2006000320 W 20060601